



**C.E. Niehoff & Co.**  
**BRUSHLESS ALTERNATORS**

# N1307-1 Alternator w/ N3109 Regulator

—or—

# N1307 Alternator w/ Remote-Mounted Regulator Installation Instructions

**CAUTION**

This symbol is used to indicate presence of hazards that can cause minor property damage.

Install alternator as shown in Figure 1:

**CAUTION**

Slip bushing located in rear mounting foot must be securely tightened against alternator mounting bracket on engine. Failure to do so can result in broken mounting feet or broken upper mounting bracket.

1. Units are shipped with shaft collar, washer, and locknut. Remove shaft collar. Install pulley specified by customer, washer, and locknut. Torque locknut to 163 Nm/ 120 lb. ft.
2. Use hardened washers between aluminum surfaces and bolt heads and nuts. Torque mounting bolts as shown in Figure 1.
3. All cabling, wiring or conduit must be supported within 305 mm/12 in. of termination on alternator.

4. Choose wire gauge for B+ and B- cables capable of handling maximum alternator output with minimum voltage drop.

5. N1307-1: N3109 regulator was shipped as factory-installed on original alternator. If alternator was replaced, re-install regulator on alternator and torque mounting hardware to 3.4 Nm/30 lb. in.

N1307 with remote-mounted regulator: Install regulator as specified by customer.

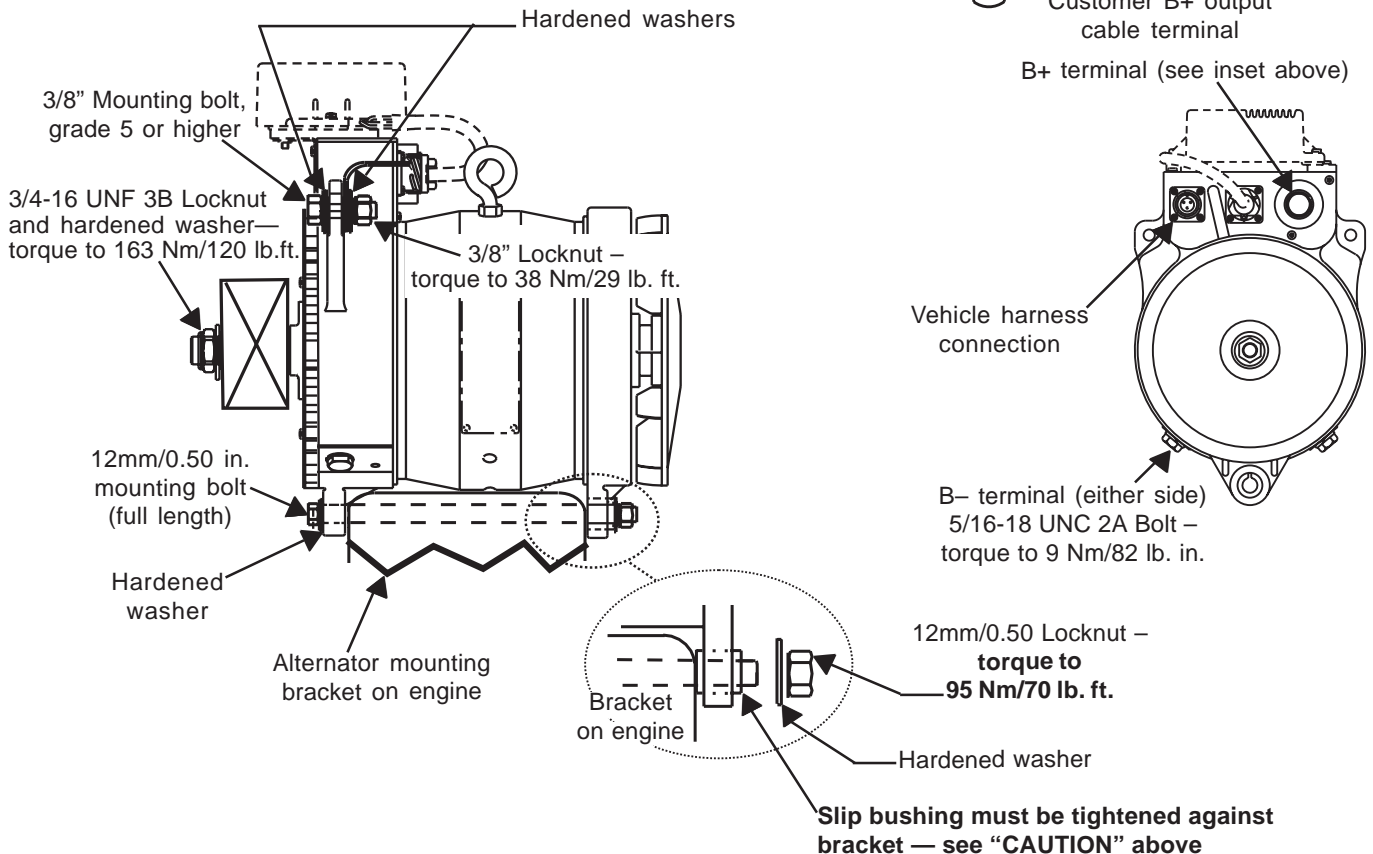


Figure 1 - N1307/N1307-1 Alternator Installation Details